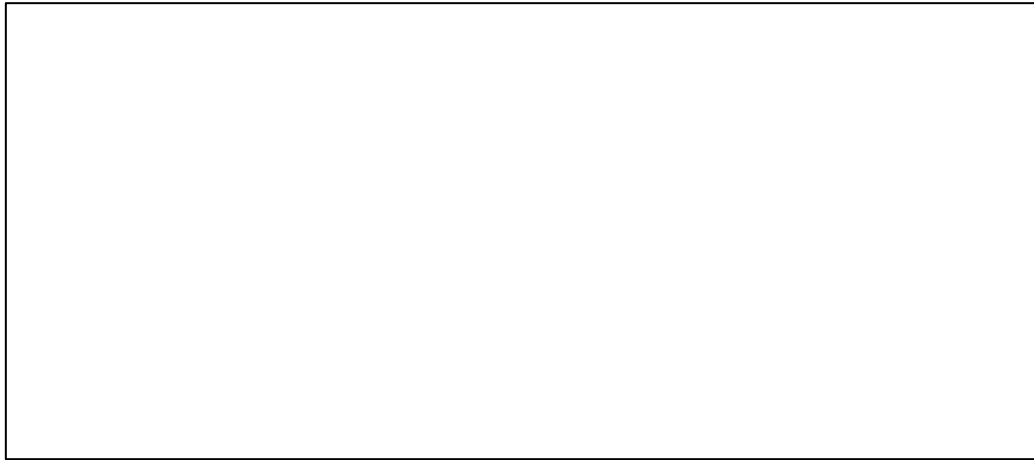


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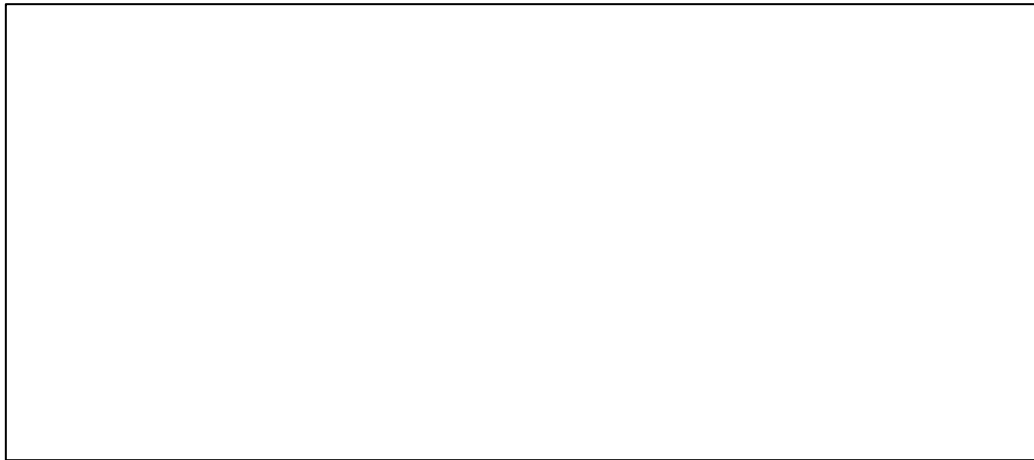
Hit the Beach! Water Waves

What does a water wave look like?

Draw one here:



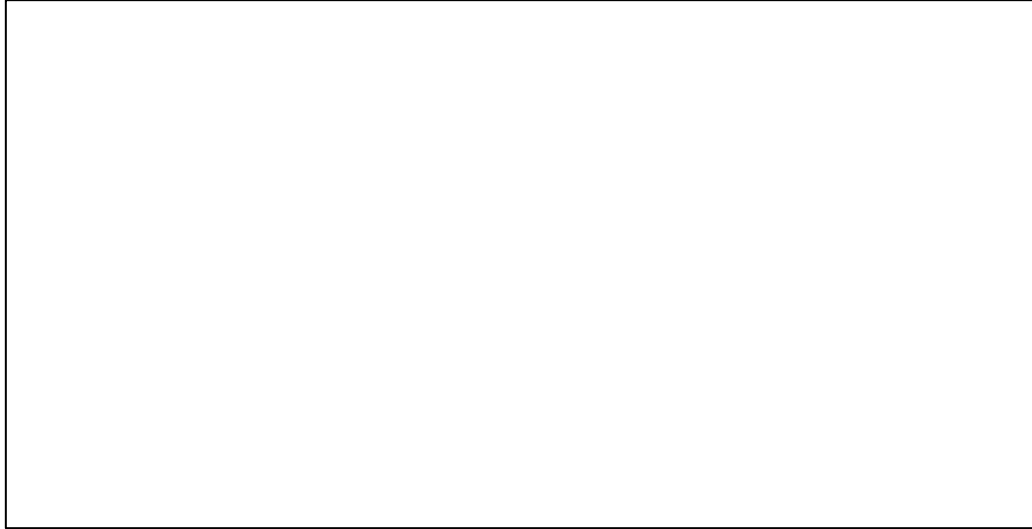
Now observe the videos and photos of water waves. Improve your drawing here:



Draw one arrow to show how an individual particle of water moves. Draw another arrow to show how the whole wave energy moves.

A Demonstration

Observe the flat pan of water on the overhead. Soon there will be a small object dropped into it. Predict how the waves will move around the object.



Now watch the demonstration. Was your prediction correct? Draw what happened, with arrows to show how the waves moved.



Now Experiment!**Procedure**

1. Fill a clear, glass, baking dish or clear, plastic tub partly full of water, a round rock and a small rectangular piece of wood. Only a shallow layer of water is necessary.
2. Investigate what happens when waves hit a round object like the rock and what happens when they hit a flat object like the piece of wood, held down by the rock.

Results

Draw your results and explain what you see in words.

